

Figure - 1

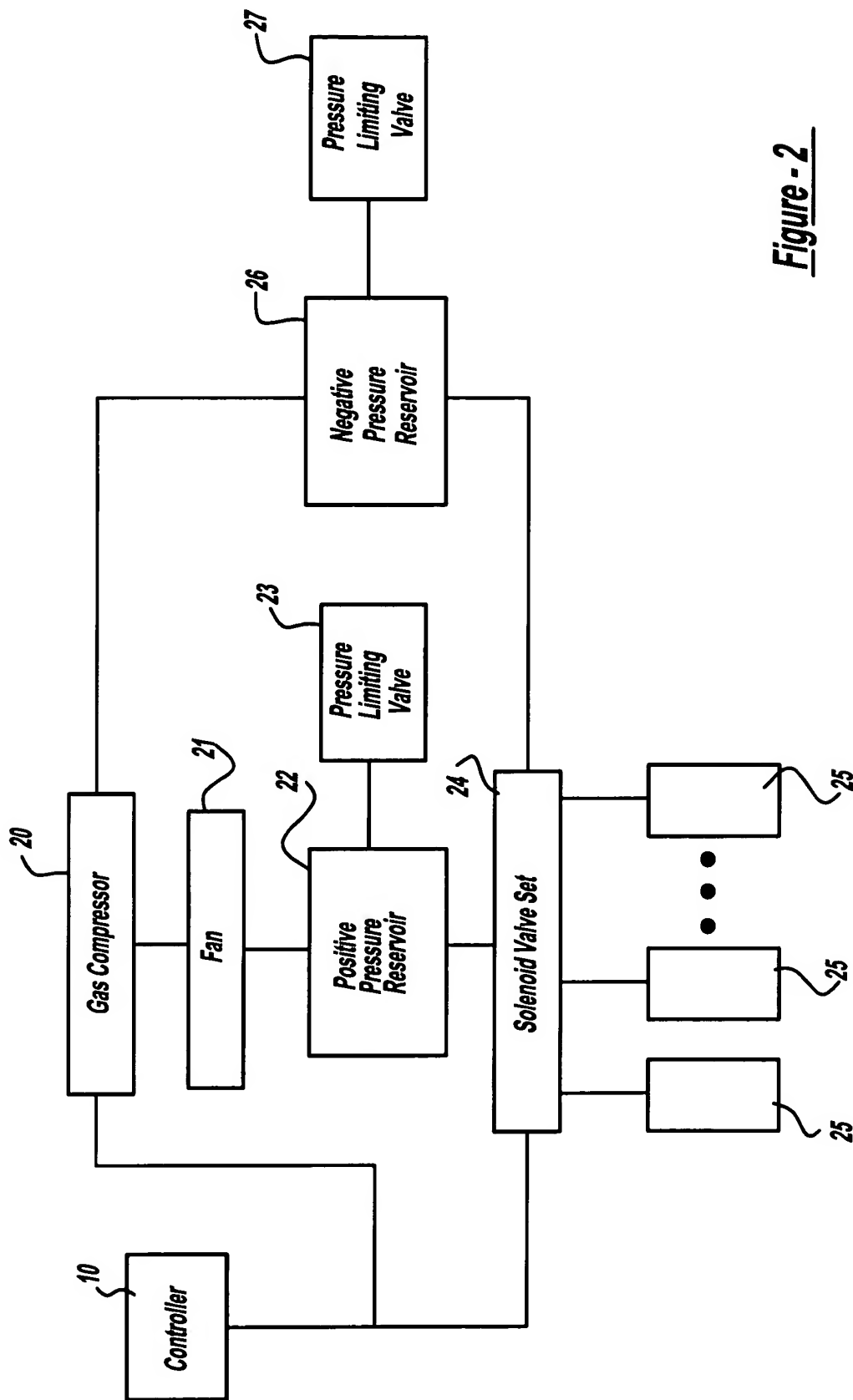


Figure - 2

FIG. 2 is a block diagram of the apparatus.

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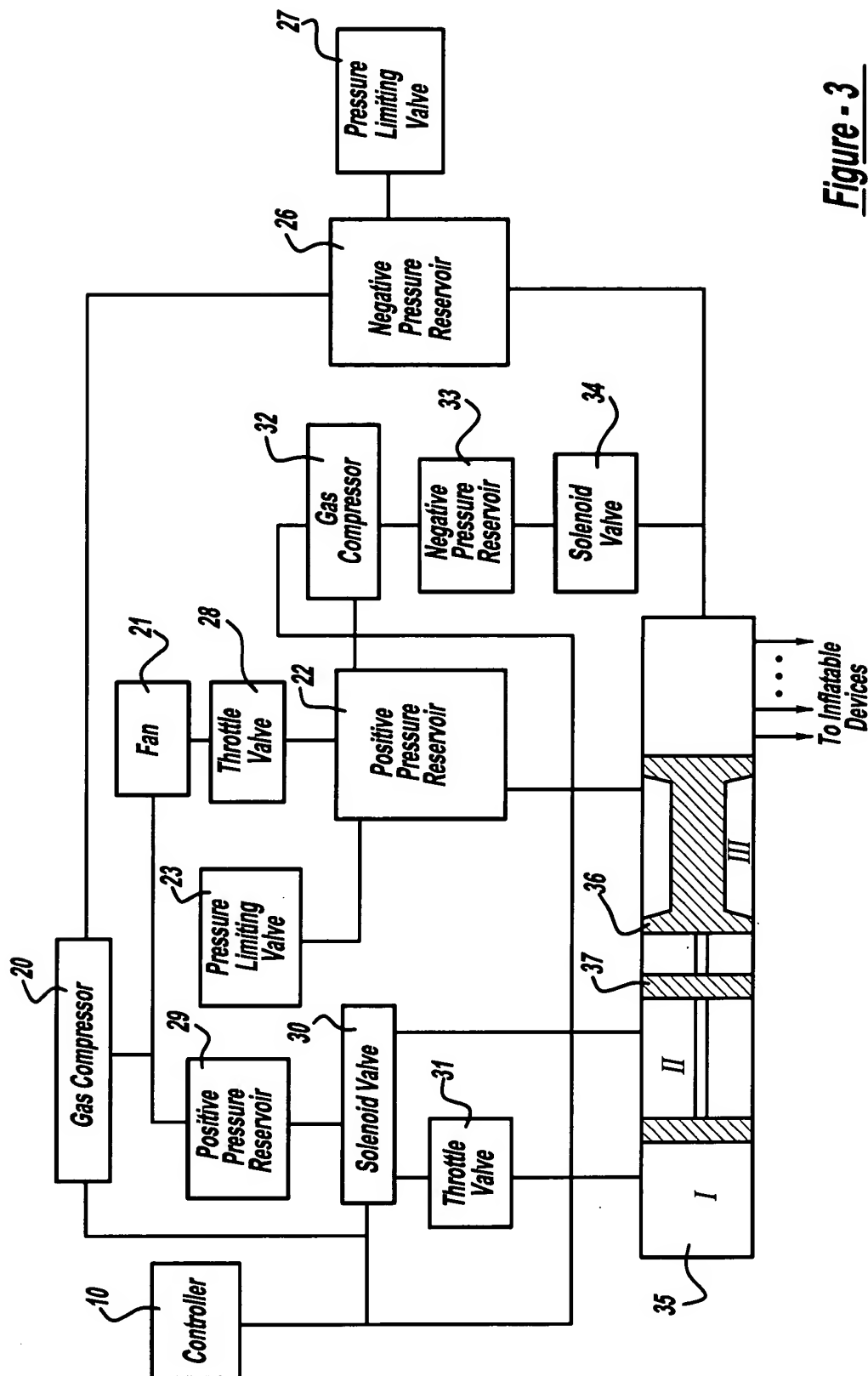
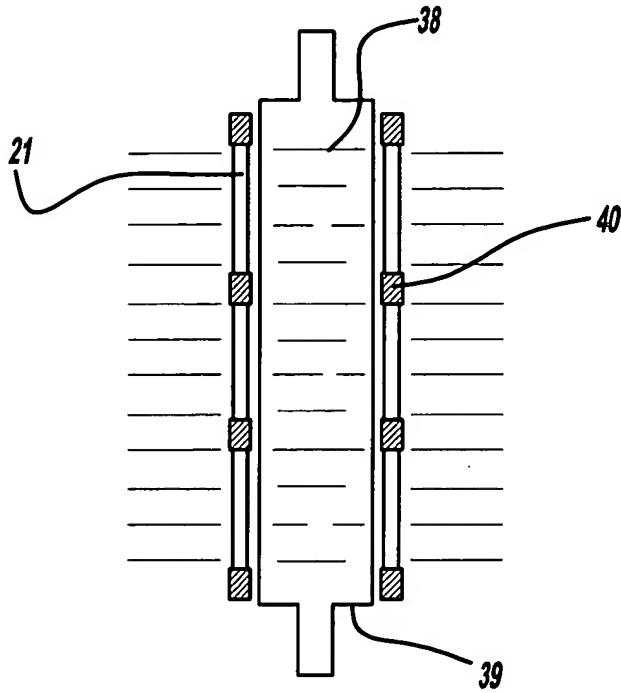


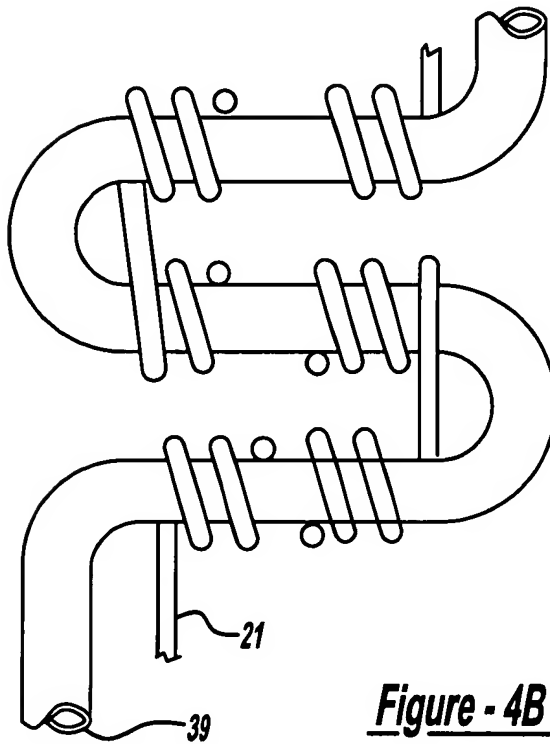
Figure - 3

FIGURE 3

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**Figure - 4A**



**Figure - 4B**

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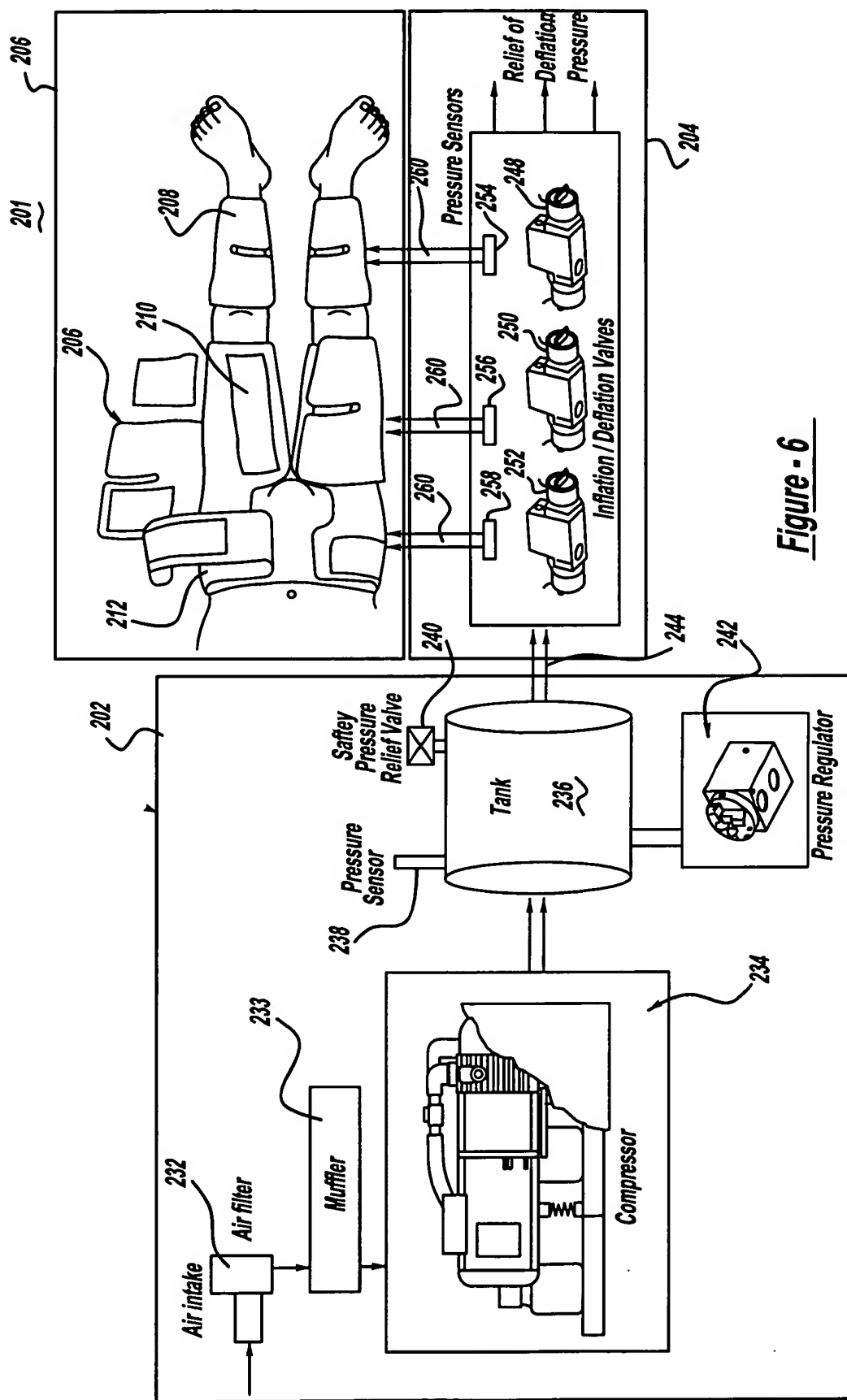


Figure - 6

FIG. 6 is a schematic diagram of the high efficiency external counterpulsation apparatus and method for controlling same.

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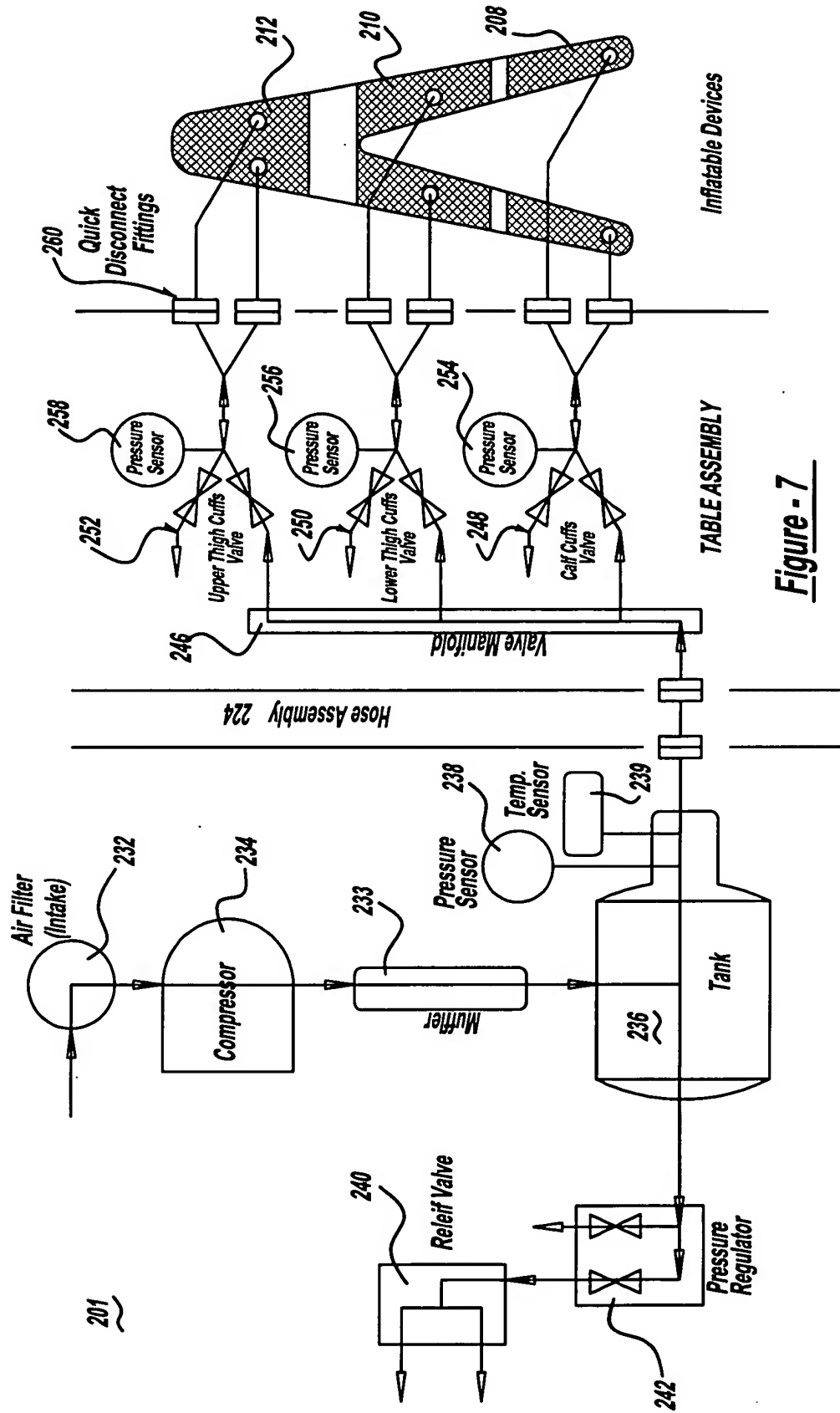


Figure - 7

FIG. 7 is a schematic diagram of the external counterpulsation system 201.

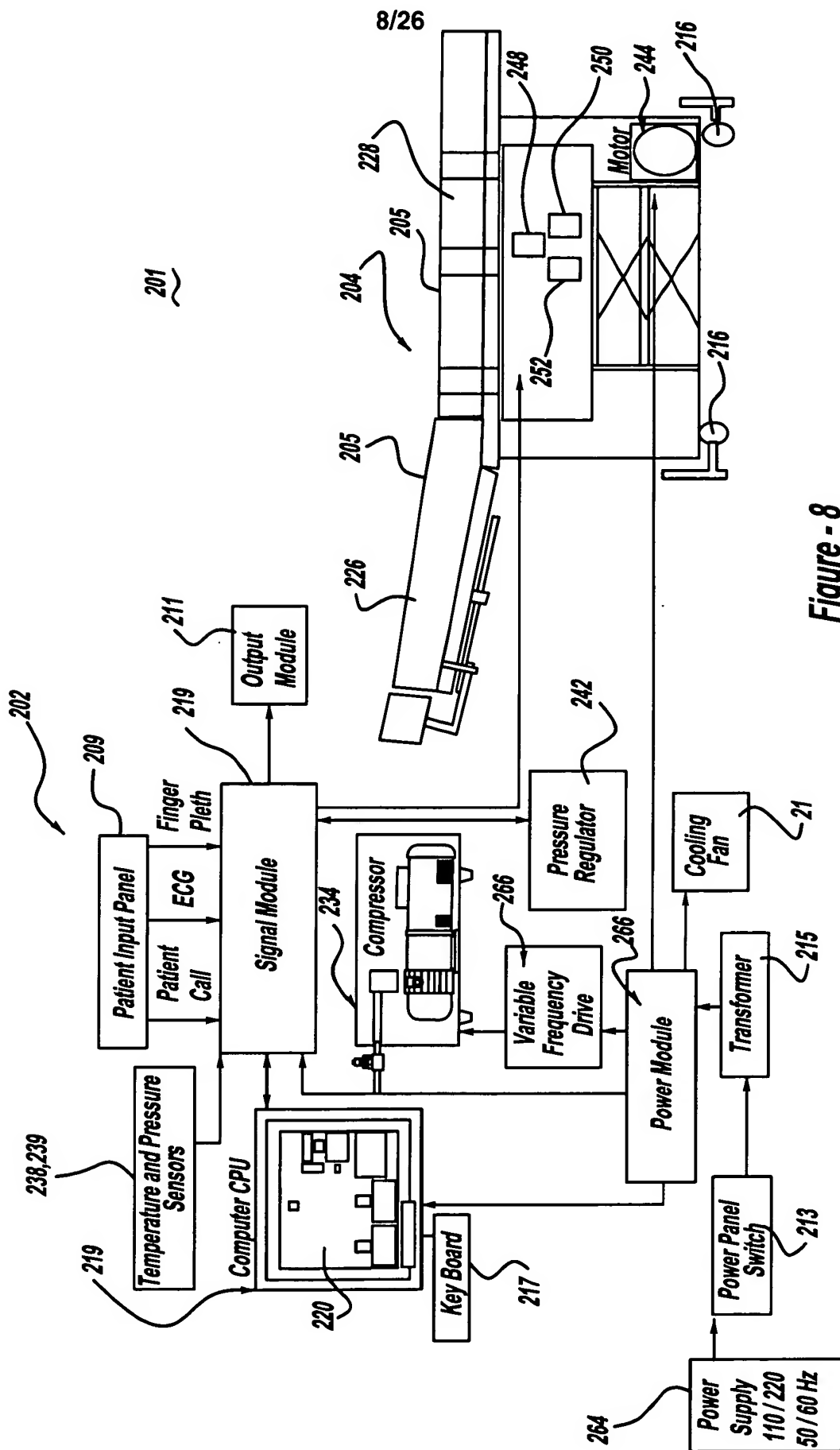


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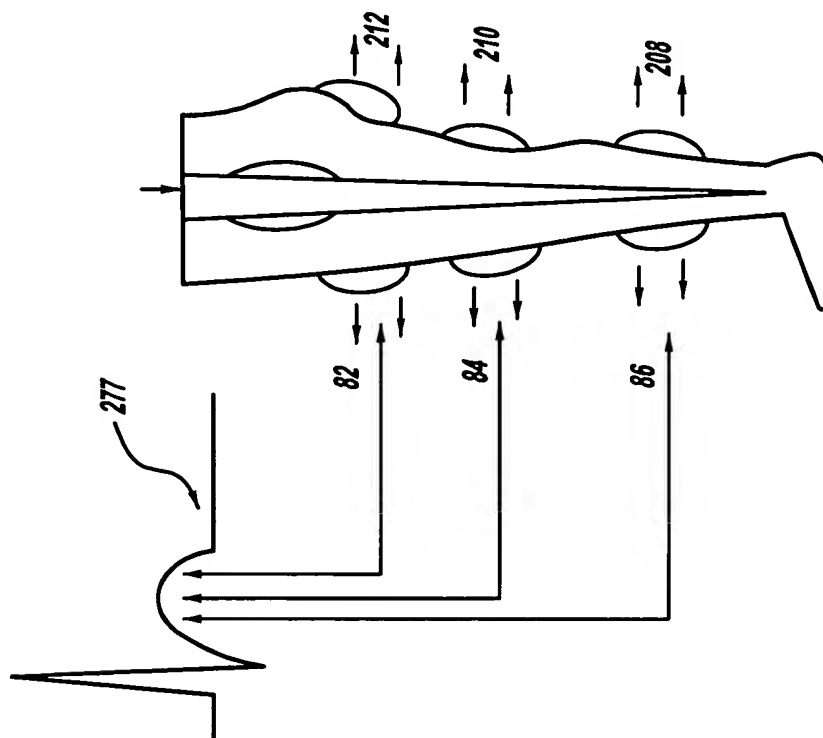


Figure - 9A

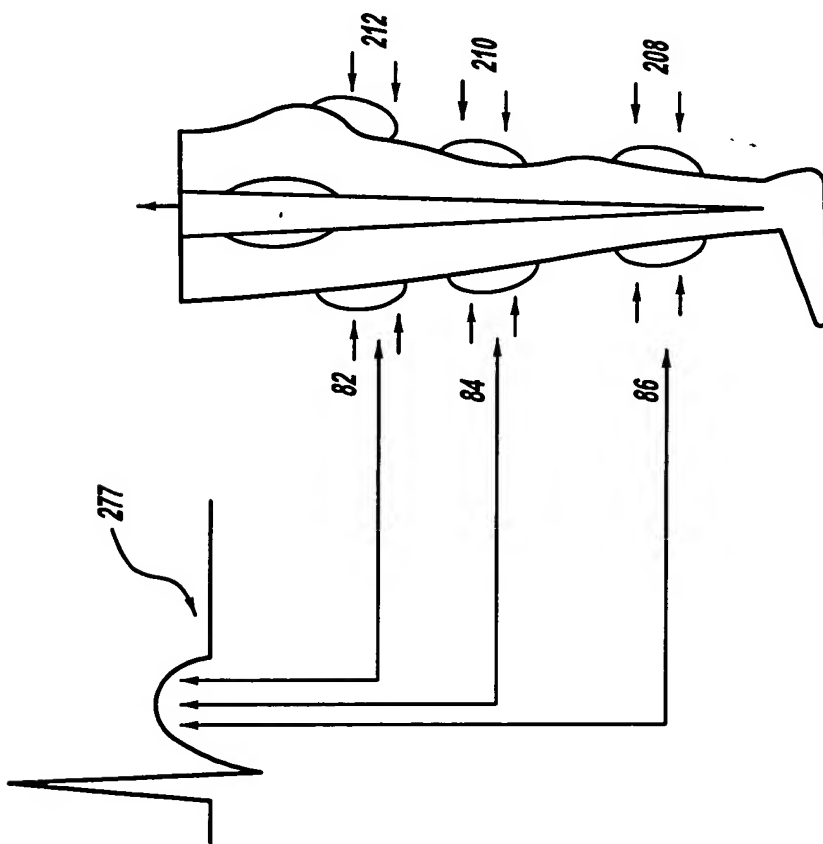
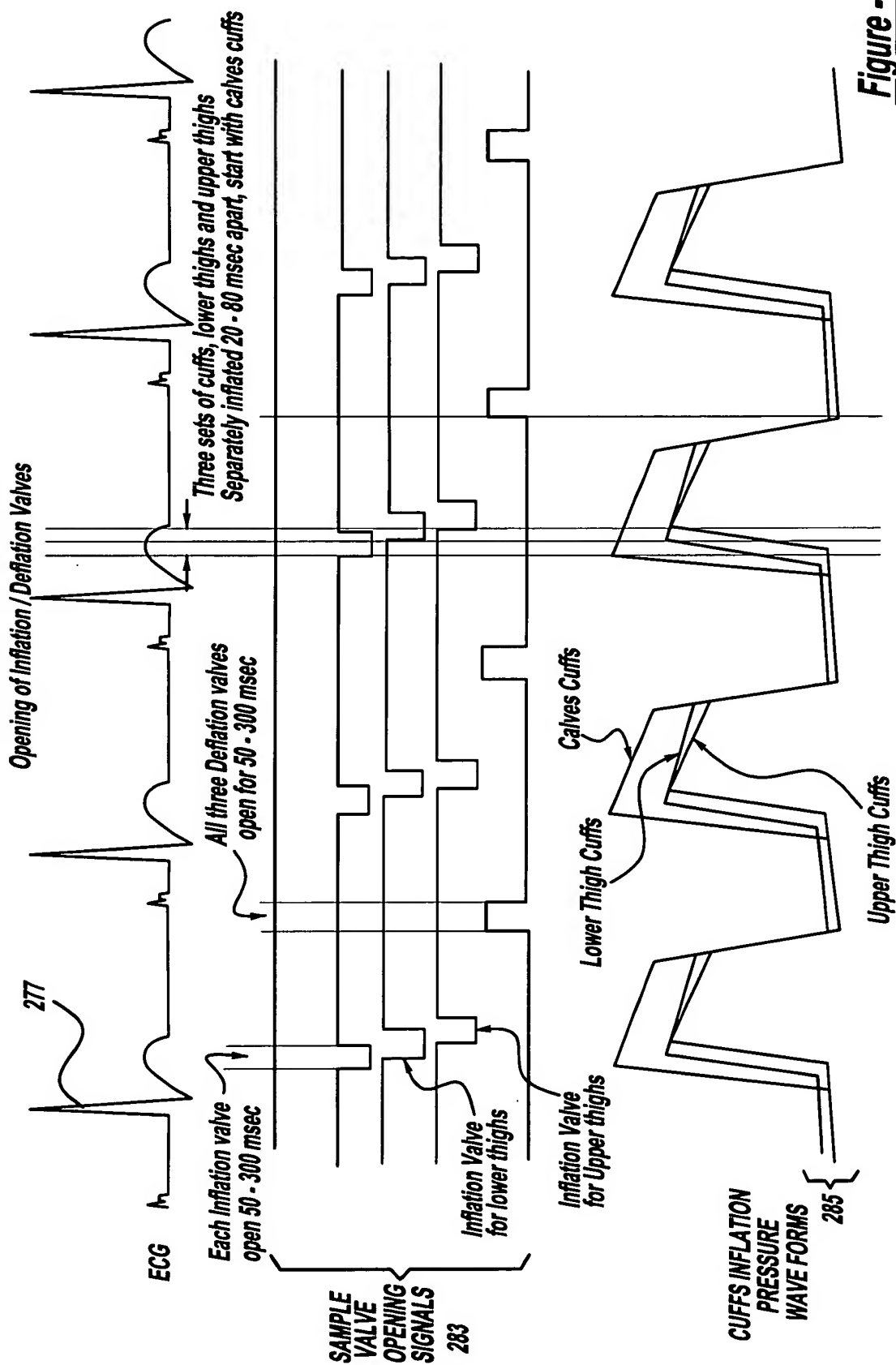
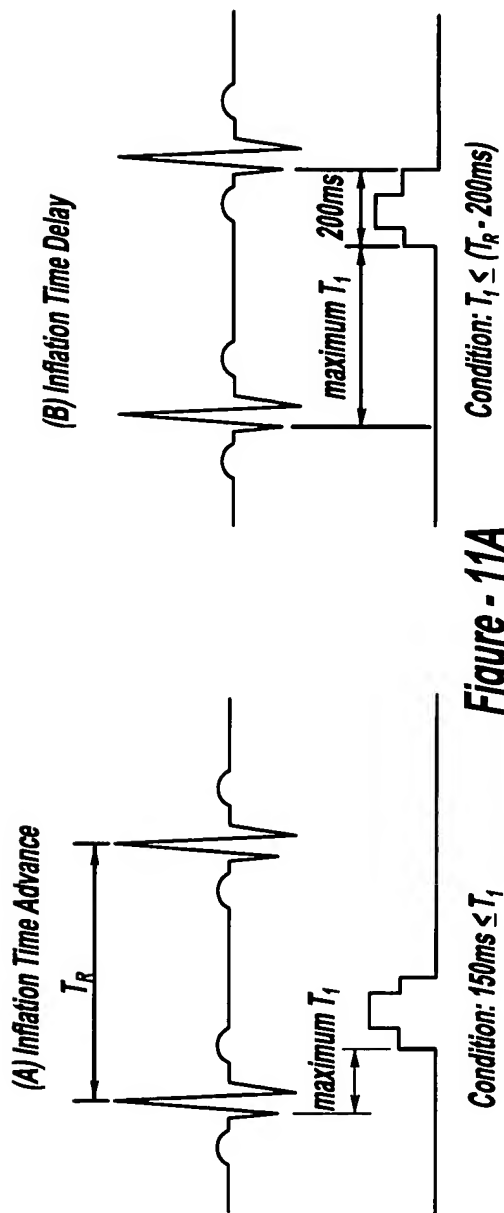


Figure - 9B

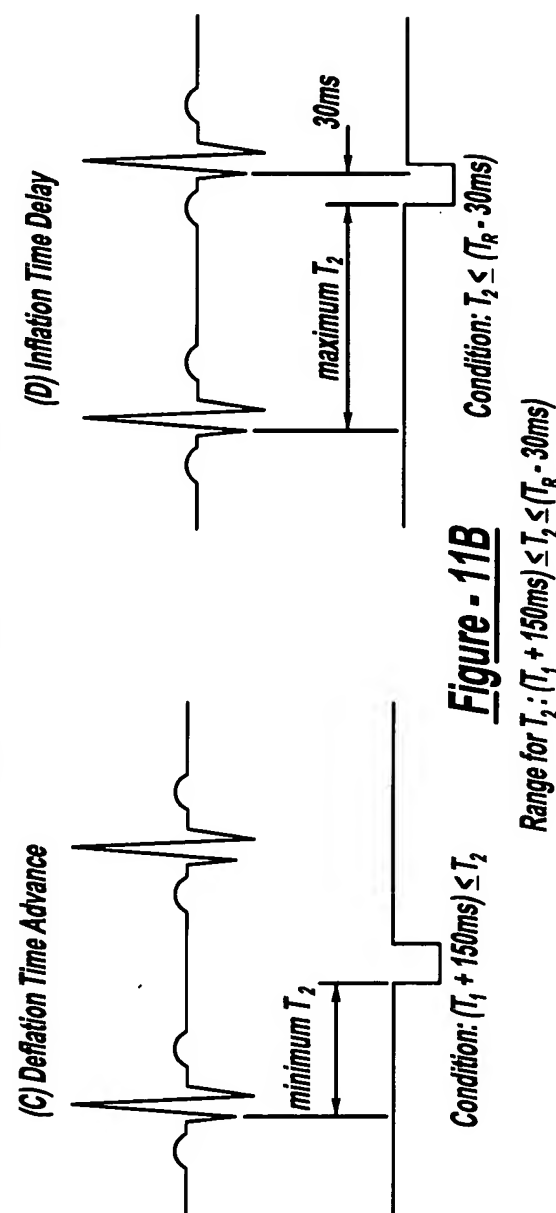
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**Figure - 11A**

Range for  $T_1$ :  $150\text{ms} \leq T_1 \leq (T_R - 200\text{ms})$

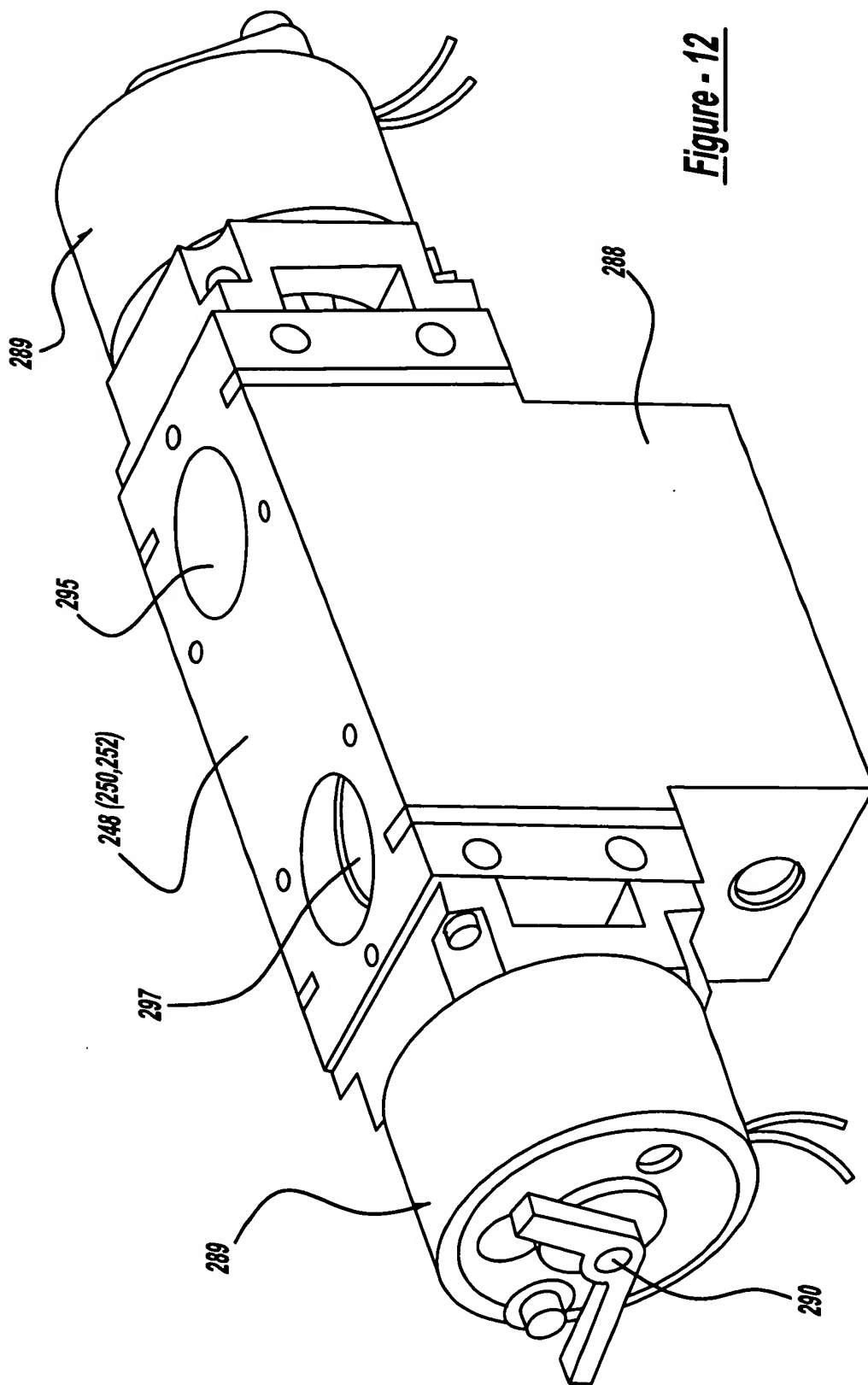


**Figure - 11B**

Range for  $T_2$ :  $(T_1 + 150\text{ms}) \leq T_2 \leq (T_R - 30\text{ms})$

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Figure - 12



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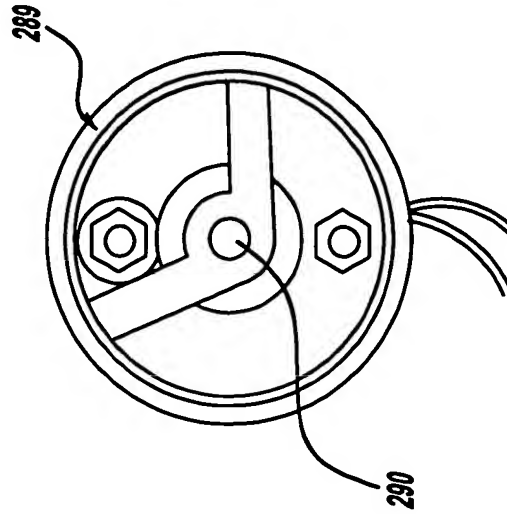


Figure - 15

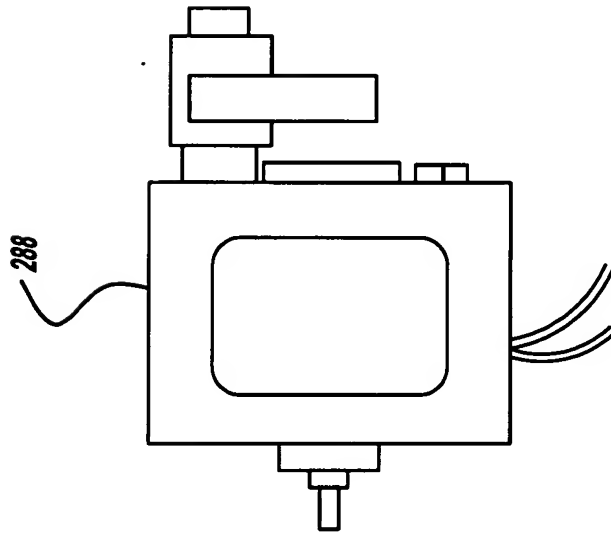


Figure - 13

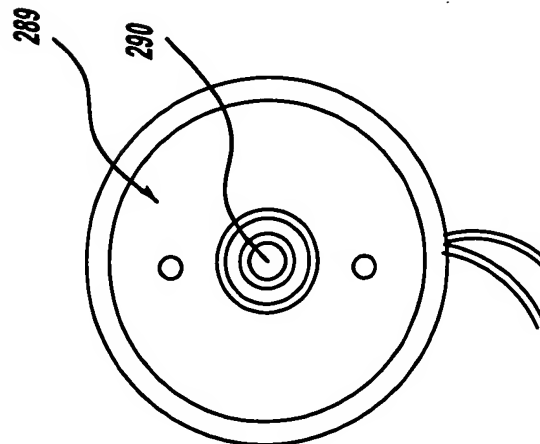


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FIG. 13

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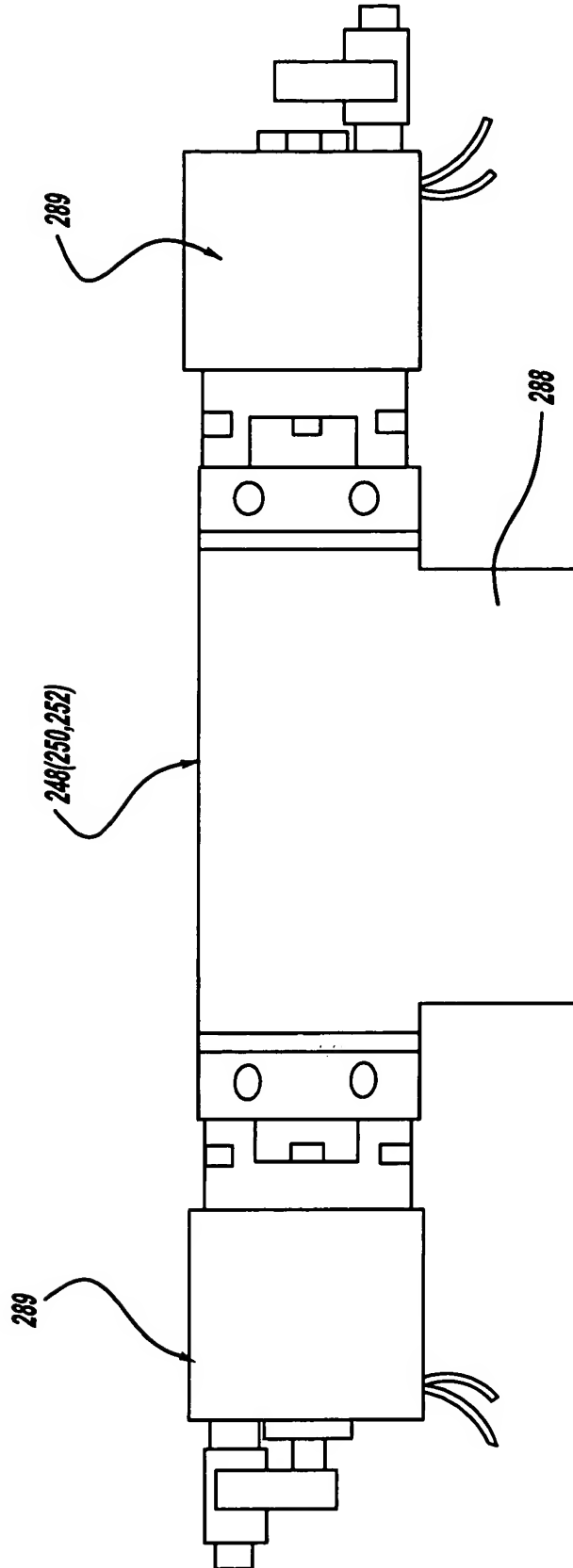


Figure - 16

FIG. 16 is a perspective view of the apparatus of FIG. 15.

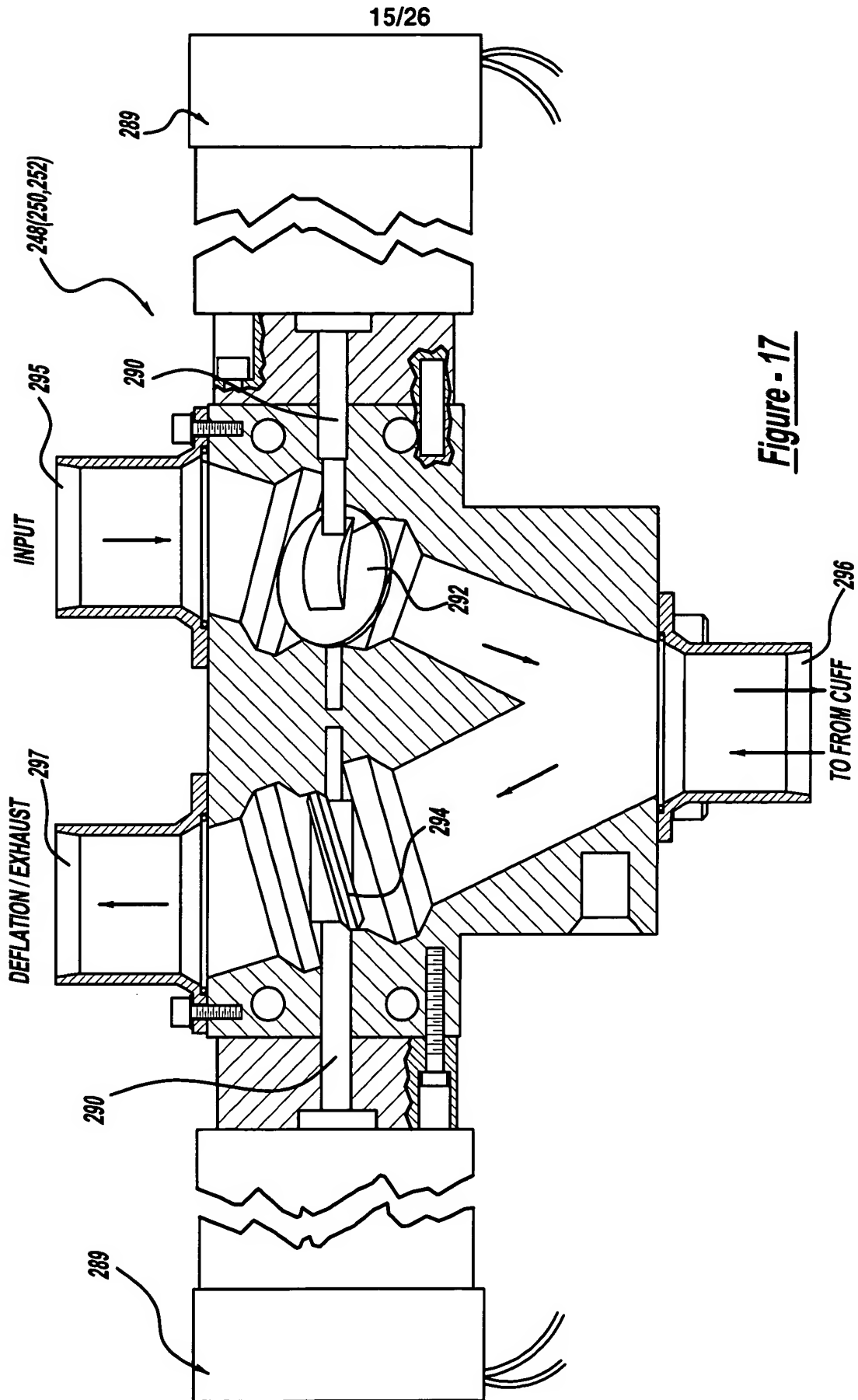


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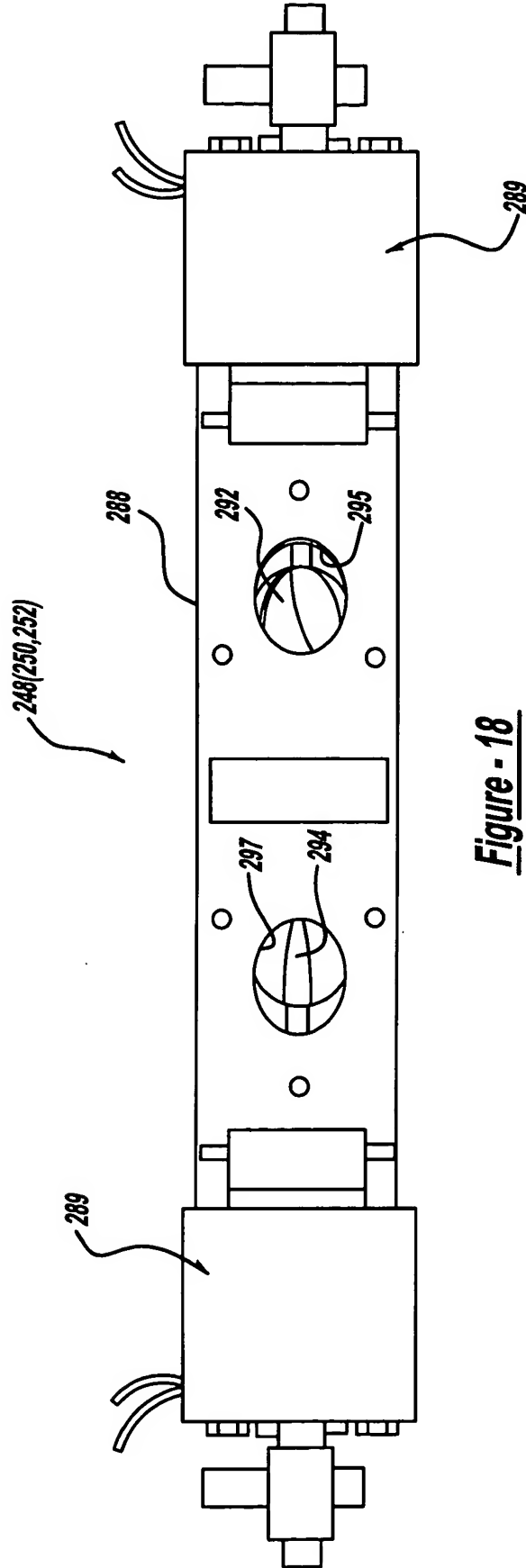


Figure - 18

FIGURE 18



Figure - 19

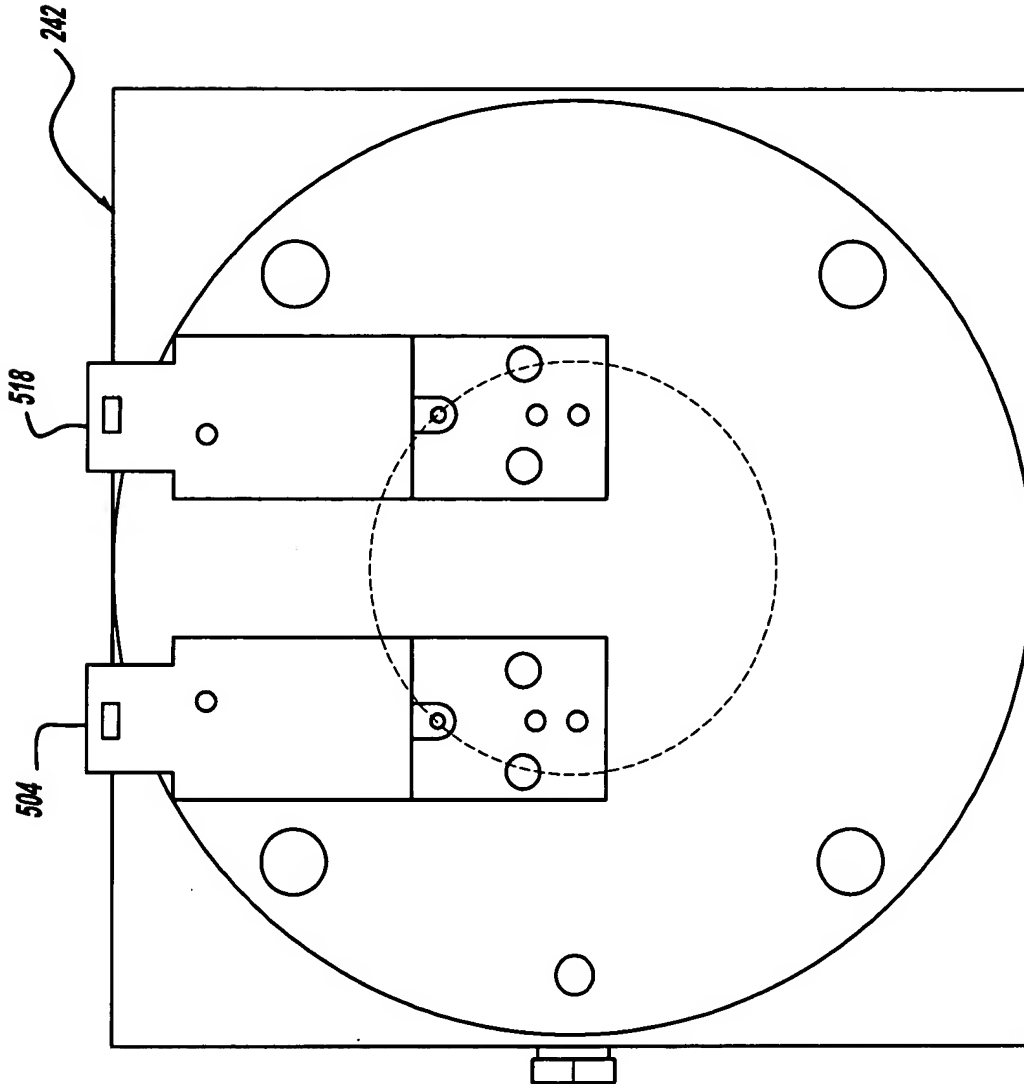
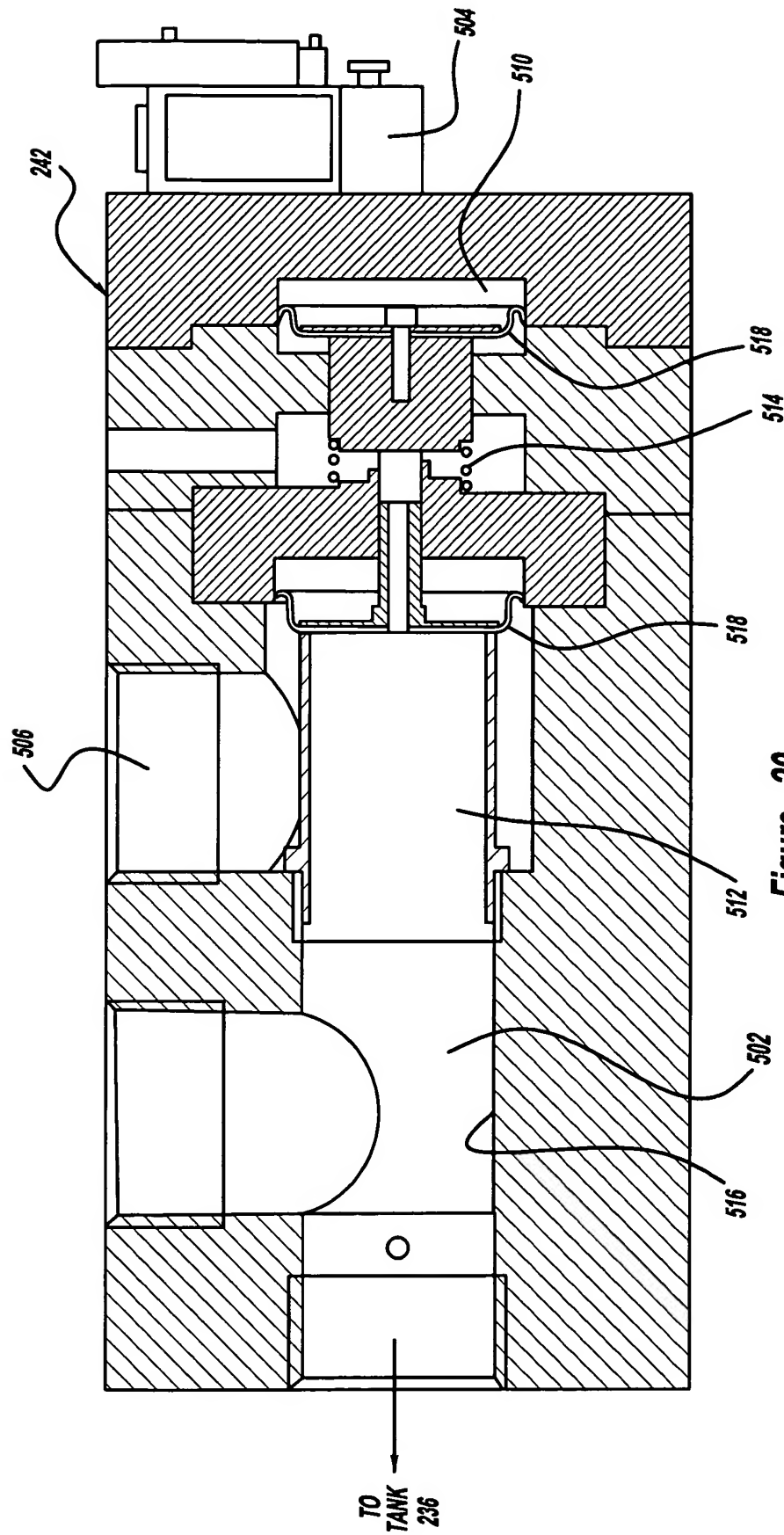


FIGURE 19

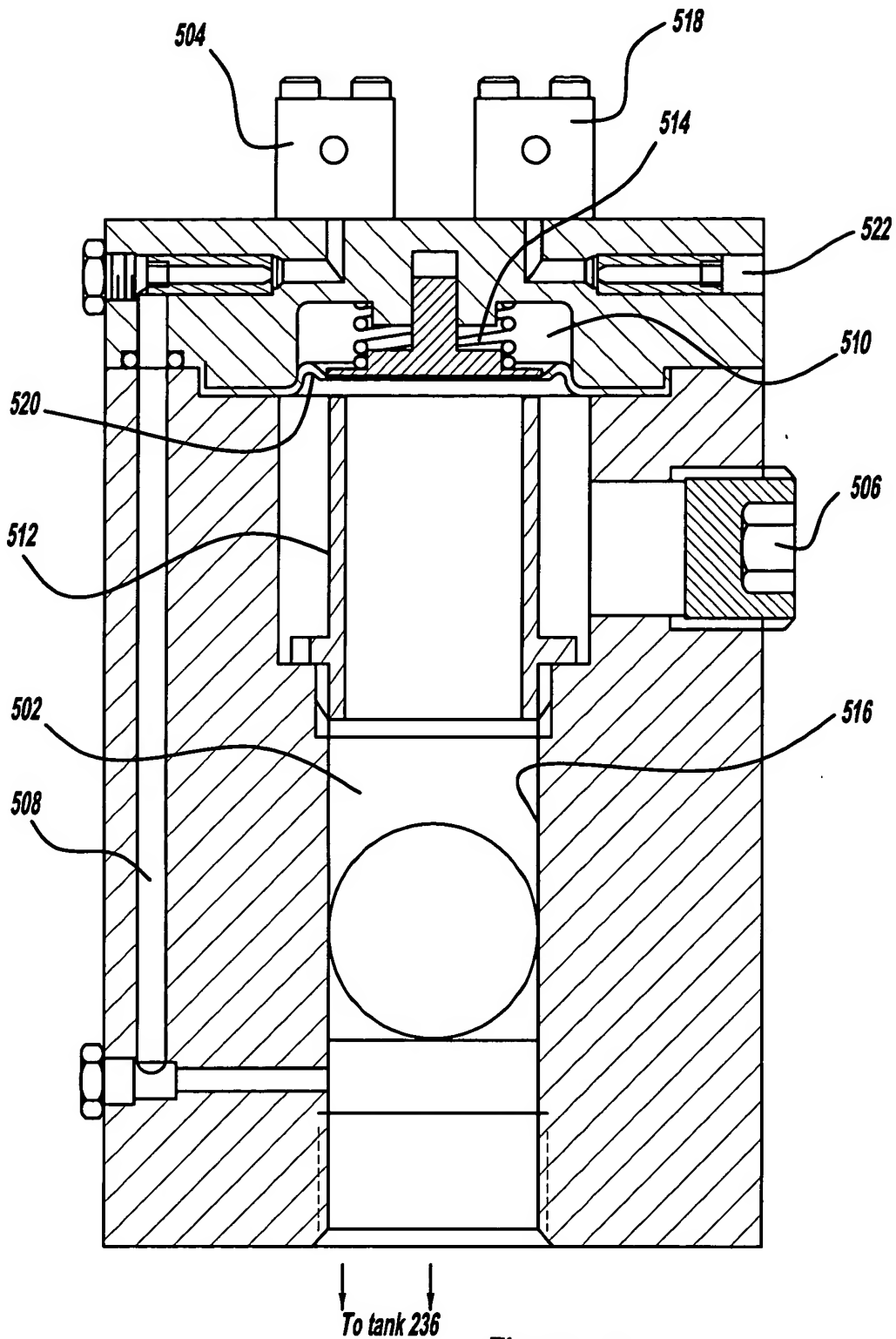
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**Figure - 20**

FIGURE 20

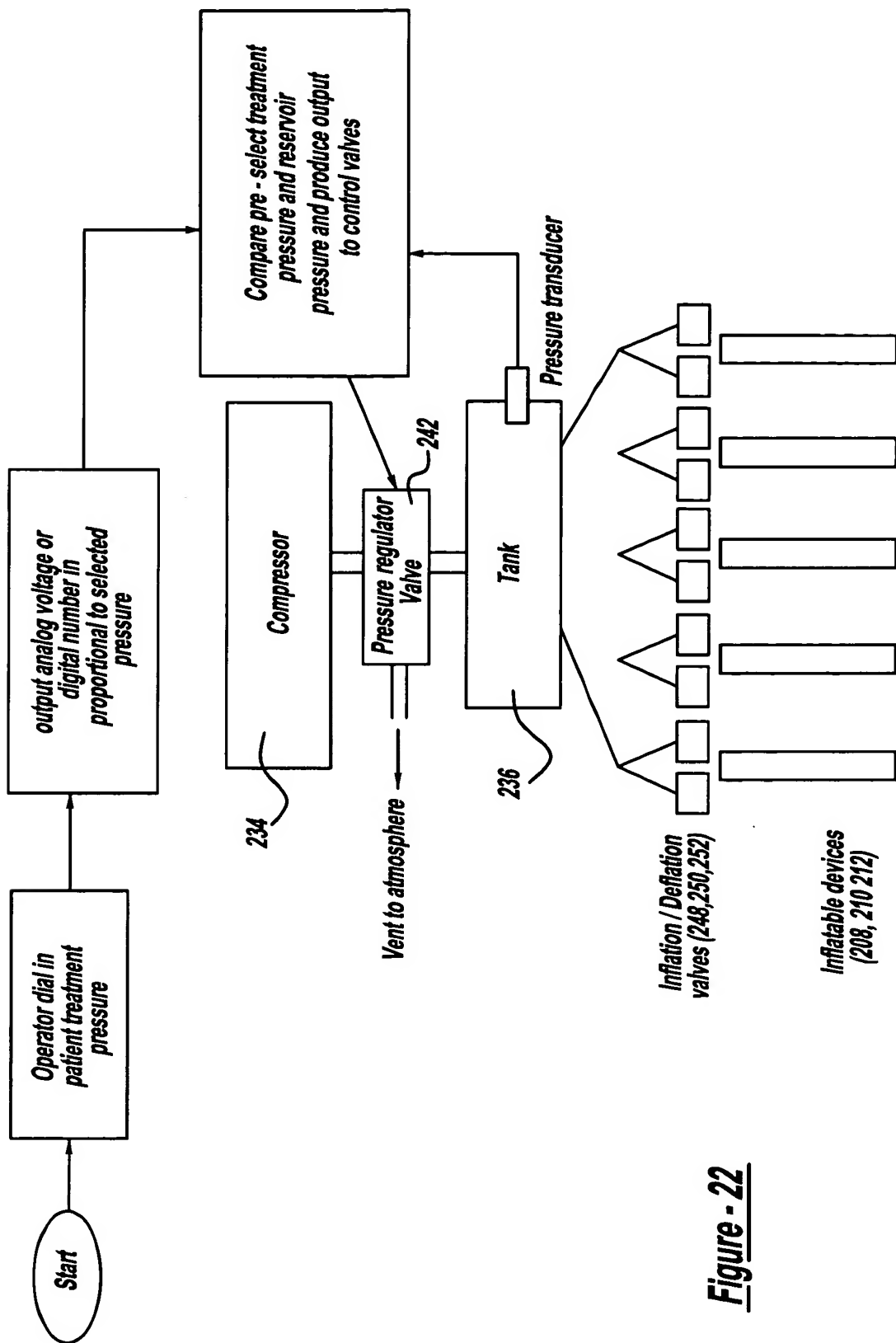
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**Figure - 21**

FIG. 21

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**Figure - 22**

FIG. 22 is a block diagram of the apparatus of the present invention.

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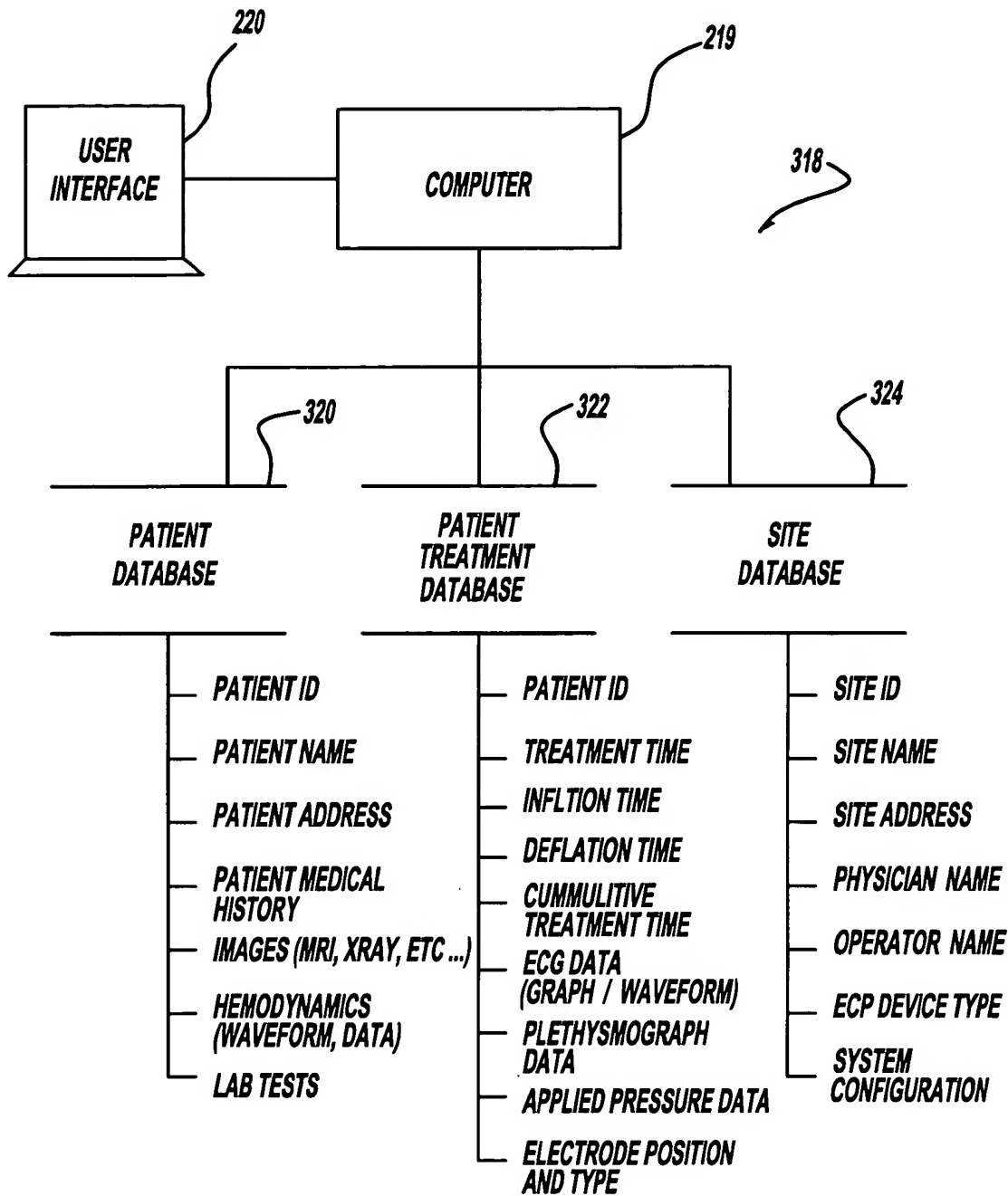


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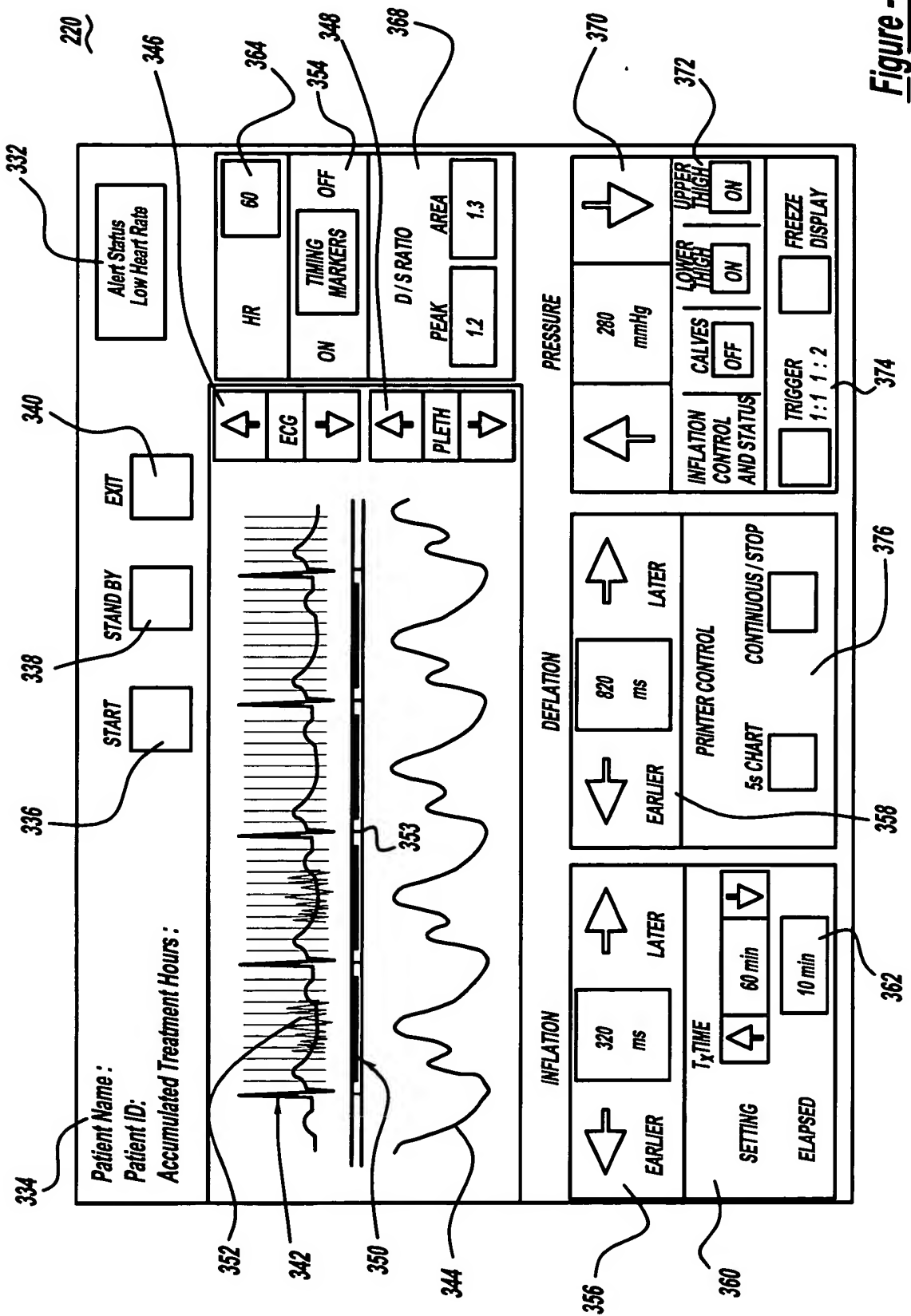


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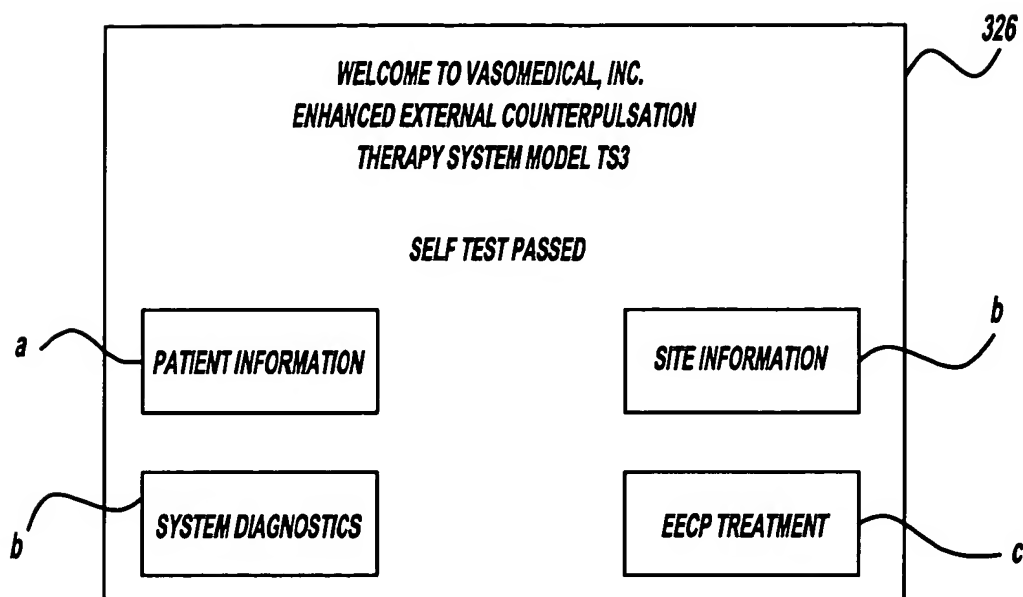


Figure - 25

Figure 26 is a screenshot of a "NEW PATIENT INFORMATION" form. The form contains the following fields: "CLINICAL SITE NAME : \_", "FIRST:", "MI:", "ADDRESS LINE 1:", "ADDRESS LINE 2:", "CITY:", "STATE (ABBREVIATION):", "ZIP/POSTAL CODE:", "PHONE NUMBER:", "PATIENT ID:", "SEX (M = MALE F = FEMALE):", "DATE OF BIRTH - MONTH:", "DAY:", "YEAR:", and "COMMENTS:". At the bottom of the form, there are two buttons: "F1 - SAVE & EXIT" and "F2 - ABORT". A label '328' is located at the top right of the form.

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**ENTER SITE INFORMATION**

**CLINICAL SITE NAME :** \_\_\_\_

**ADDRESS LINE 1:**

**ADDRESS LINE 2:**

**CITY:**

**STATE (ABBREVIATION):**                      **ZIP/POSTAL CODE:**

**PHONE NUMBER :**

**FAX NUMBER :**

**PHYSICIAN IN CHARGE :**

**F1 - SAVE & EXIT**

**F2 - ABORT**

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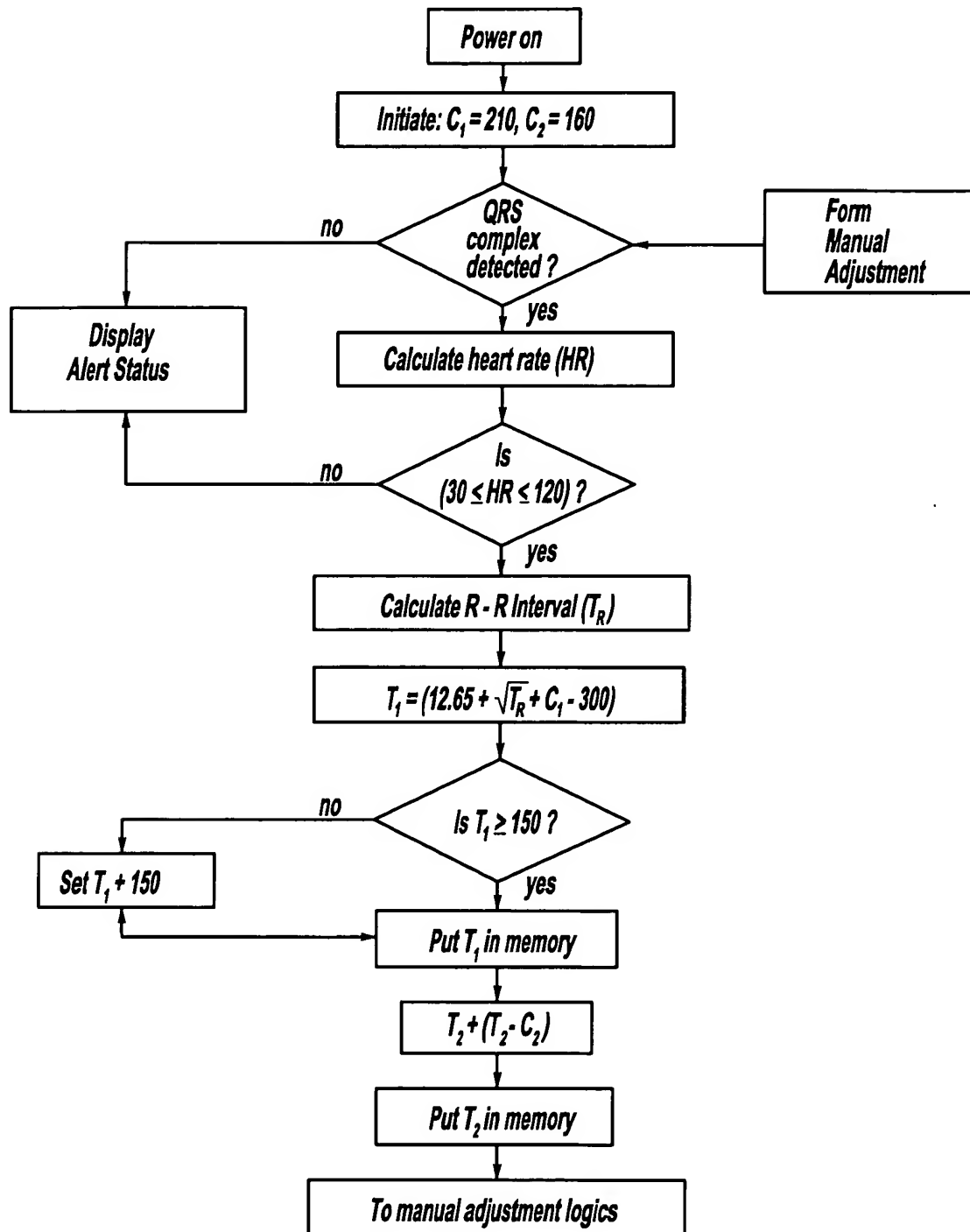


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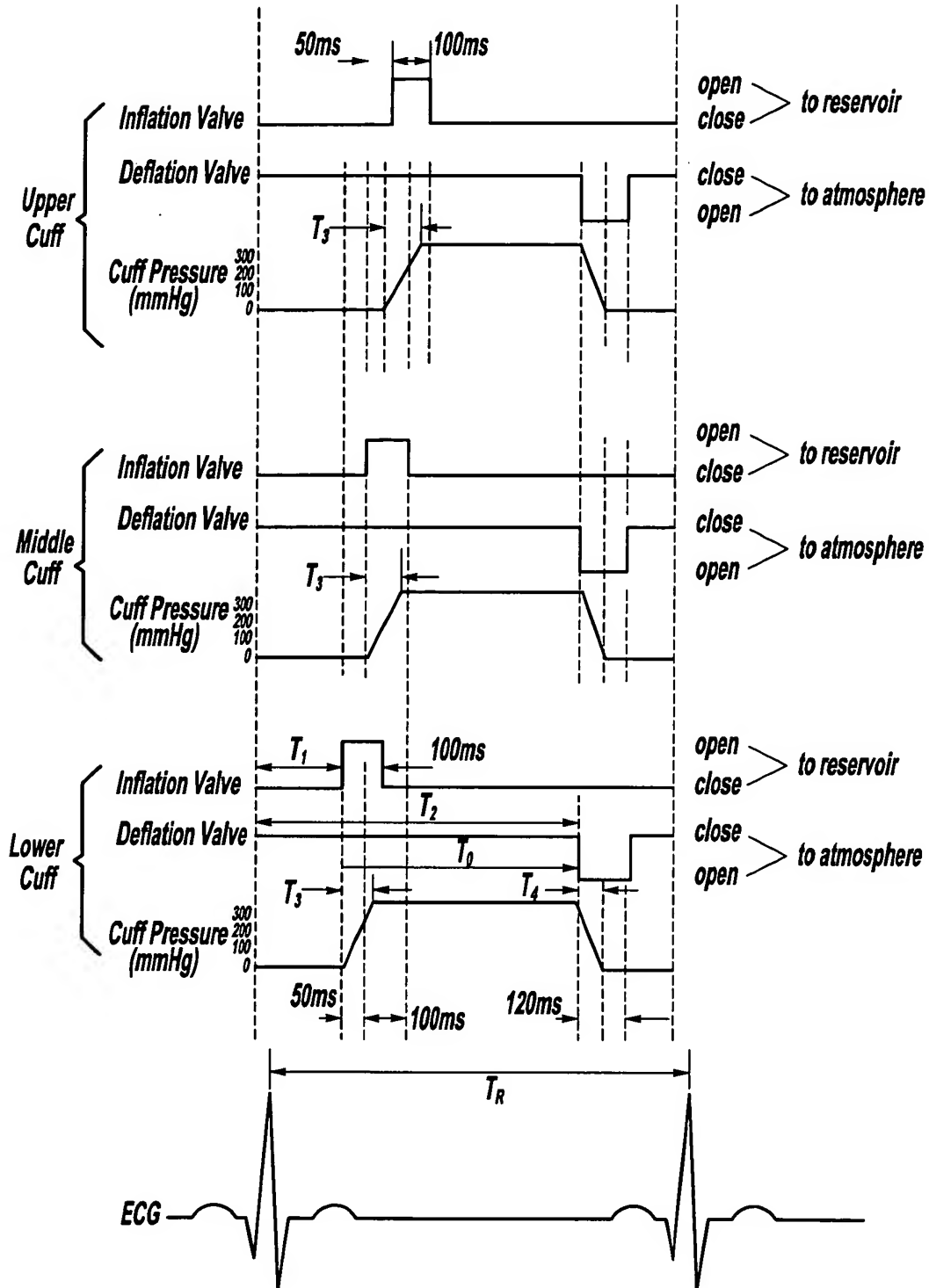


Figure - 29